ARCHITECTURE FOR A FLEXIBLE AND HIGH-PERFORMANCE

GATEWAY CABLE MODEM

Abstract

[32]   A cable modem system and architecture. A cable modem engine performs all cable modem functions, and a data networking engine performs all data and home networking functions. The cable modem engine is completely partitioned from the data networking engine. DOCSIS and VoIP functionality is implemented in the cable modem engine. The VoIP functionality may be in accordance with the PacketCable specification. The data networking functionality provided by the data networking engine may be in accordance with the CableHome specification.